



## SecurView Wireless N Day/Night Internet Camera TV-IP312WN (V1.0R)

The SecurView Wireless N Day/Night Internet Camera, transmits high quality video and audio over the Internet. Wireless n technology provides unsurpassed wireless coverage and improved streaming video quality.

Add this camera to your wireless network at the touch of a button with Wi-Fi Protected Setup (WPS). Infrared bulbs provide night vision for distances of up to five meters (16 feet) in complete darkness. A built-in microphone and optional speakers accommodate 2-way audio communications. Manage up to 32 SecurView cameras with the included complimentary camera management software.

Advanced features include motion detection recording, email alerts, scheduled recording sessions, MPEG-4 / MJPEG image compression, and digital zoom. A wall/ceiling mounting kit is included and the off-white camera housing blends into most environments.

## FEATURES

- Wi-Fi compliant with IEEE 802.11b/g/n networks
- 3 x digital zoom
- 1 x 10/100Mbps Fast Ethernet port
- 1 x Wi-Fi Protected Setup button
- 1 x USB port to store still images to a USB flash drive\*
- High quality MPEG-4 and MJPEG video recording with up to 30 frames per second
- Resolution up to 640 x 480 pixels
- Power and activity LED indicators (can be disabled)
- Infrared night vision for up to 5 meters (16 feet)
- Dynamic DNS support
- Image control: brightness, contrast, saturation, and mirror (horizontally/vertical)
- Supports TCP/IP networking, SMTP Email, HTTP, Samba, and other Internet protocols
- Record streaming video to your computer and Network Storage Server
- Motion detection triggered email alerts and image upload via FTP
- Stream Internet camera video to a 3GPP compatible mobile device
- Supports 64/128-bit WEP and WPA/WPA2-PSK wireless encryption
- Hear and talk to people in your camera's viewing area through your computer
- Two adjustable motion detection windows with just-in-time snapshot
- Quick Universal Plug and Play installation
- Complimentary SecurView Pro software: manage up to 32 camera\*\*
- 3-year limited warranty

\* USB port supports up to 500mA powered device with FAT16/32 format

\*\* Monitoring multiple cameras may require a high performance CPU

# SecurView Wireless N Day/Night Internet Camera

TV-IP312WN (V1.0R)



## SPECIFICATIONS

### CAMERA

<b>General</b>	<ul style="list-style-type: none"><li>• Sensor: 1/4" color CMOS sensor</li><li>• Resolution: 640 x 480 pixels</li><li>• Board Lens</li><li>• Focal Length: 4.5mm</li><li>• Aperture (F/No): F2.8</li><li>• Aperture (F/No): F2.8</li><li>• Minimum illumination: 0 Lux</li><li>• Diagonal viewing angle: 60 degree</li></ul>
<b>Image &amp; Video</b>	<ul style="list-style-type: none"><li>• Compression: MPEG-4/MJPEG dual streaming</li><li>• Exposure/white balance/gain control : automatic</li><li>• Resolution: up to 30fps for VGA (640x480), 30fps for QVGA (320x240), 30fps for QQVGA (160x120)</li></ul>
<b>Audio</b>	<ul style="list-style-type: none"><li>• Audio in: internal omni-directional microphone</li><li>• Sensitivity: -48dB +/- 3dB</li><li>• Frequency response: 50 ~ 16000Hz</li><li>• Audio out: external output to active speaker (mono)</li><li>• Echo Cancellation: hardware voice processor</li><li>• Audio codec: PCM/AMR</li></ul>

### HARDWARE

<b>Network</b>	<ul style="list-style-type: none"><li>• IEEE 802.3u 10/100Mbps Fast Ethernet, Auto-MDIX</li></ul>
<b>LED</b>	<ul style="list-style-type: none"><li>• Power, Link</li></ul>
<b>USB Port</b>	<ul style="list-style-type: none"><li>• Type A USB 1.1 host port</li></ul>
<b>Reset Button</b>	<ul style="list-style-type: none"><li>• Restore to factory default</li></ul>
<b>WPS Button</b>	<ul style="list-style-type: none"><li>• Push button for Wi-Fi Protected Setup</li></ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"><li>• 8 watts max.</li></ul>
<b>Power</b>	<ul style="list-style-type: none"><li>• 5 V, 2.5 A external power adapter</li></ul>
<b>Dimension</b>	<ul style="list-style-type: none"><li>• 70 x 100 x 57 mm (2.67 x 3.94 x 2.95 in.)</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• 155 g (5.4 oz)</li></ul>
<b>Temperature</b>	<ul style="list-style-type: none"><li>• Operating: 0° C ~ 45° C (32°F ~ 113° F)</li><li>• Storage: -15° C ~ 60° C (5°F ~ 140° F)</li></ul>
<b>Humidity</b>	<ul style="list-style-type: none"><li>• Max. 90% (non-condensing)</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• CE, FCC</li></ul>

### REQUIREMENTS

<b>Management Interface</b>	<ul style="list-style-type: none"><li>• Internet Explorer 6.0 or above</li></ul>
<b>To Run SecurView Pro</b>	<ul style="list-style-type: none"><li>• Windows 7 (32/64 bit), Vista (32/64 bit), XP (32/64 bit)</li></ul>
<b>SecurView Pro</b>	<ul style="list-style-type: none"><li>• Channel: supports up to 32 cameras</li><li>• Record/Playback/Motion Detection</li></ul>
<b>Network Protocols</b>	<ul style="list-style-type: none"><li>• TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE and UPnP</li></ul>

### WIRELESS

<b>Standard</b>	<ul style="list-style-type: none"><li>• Based on IEEE 802.11n technology</li><li>• IEEE 802.11g/b compliant</li></ul>
<b>Frequency</b>	<ul style="list-style-type: none"><li>• 2.4 ~ 2.4835GHz</li></ul>
<b>Antenna</b>	<ul style="list-style-type: none"><li>• 1 x 2dBi dipole antenna (Reverse-SMA connector)</li></ul>
<b>Data Rate (auto fallback)</b>	<ul style="list-style-type: none"><li>• 802.11n: up to 150Mbps</li><li>• 802.11g: up to 54Mbps</li><li>• 802.11b: up to 11Mbps</li></ul>
<b>Security</b>	<ul style="list-style-type: none"><li>• 64/128-bit WEP, WPA/WPA2-PSK</li></ul>
<b>Output Power</b>	<ul style="list-style-type: none"><li>• 802.11n: 15 + 1 dBm</li><li>• 802.11b: 15 + 1 dBm</li><li>• 802.11g: 18 + 1 dBm</li></ul>
<b>Receiving Sensitivity</b>	<ul style="list-style-type: none"><li>• 802.11n HT20: -67dBm</li><li>• 802.11n HT40: -64dBm</li><li>• 802.11g: -70dBm</li><li>• 802.11b: -87dBm</li></ul>
<b>Channel</b>	<ul style="list-style-type: none"><li>• 1~11 (FCC), 1~13 (ETSI)</li></ul>

### MANAGEMENT

<b>Remote</b>	<ul style="list-style-type: none"><li>• Remote management supported</li></ul>
<b>Backup / Restore</b>	<ul style="list-style-type: none"><li>• Save/retrieve configuration files</li></ul>

# SecurView Wireless N Day/Night Internet Camera

TV-IP312WN (V1.0R)



## SPECIFICATIONS

### SETTINGS

<b>Recording</b>	<ul style="list-style-type: none"><li>Recording type: continuous, schedule or motion detection with software</li></ul>
<b>Image</b>	<ul style="list-style-type: none"><li>Brightness, sharpness, saturation, flip, mirror, (horizontal/vertical)</li></ul>
<b>Video</b>	<ul style="list-style-type: none"><li>Encoding type: Resolution:640x480, 320x240,160x120 • Frame rate: 1~30 fps • Compression: 5 levels</li></ul>
<b>Multi-Profile</b>	<ul style="list-style-type: none"><li>3 profiles simultaneously</li></ul>
<b>Port Settings</b>	<ul style="list-style-type: none"><li>HTTP port: 80 (default)</li></ul>
<b>Digital Zoom</b>	<ul style="list-style-type: none"><li>3x</li></ul>
<b>Dynamic DNS</b>	<ul style="list-style-type: none"><li>Yes</li></ul>
<b>Time</b>	<ul style="list-style-type: none"><li>Synchronize with NTP server or set time/date manually</li></ul>
<b>SMTP</b>	<ul style="list-style-type: none"><li>SMTP mail supported up to 2 accounts with software</li></ul>
<b>System Log</b>	<ul style="list-style-type: none"><li>100 entries (max.)</li></ul>

## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

TV-IP312WN

Multi-Language Quick Installation Guide

CD-ROM (Utility & User's Guide)

Power adapter (5V DC, 2.5 A)

Network cable (1.8 m/5.9 ft.)

Mounting stand

## RELATED PRODUCTS

<b>TV-IP121WN</b>	SecurView Wireless N Day/Night Internet Camera
<b>TV-IP252P</b>	SecurView PoE Dome Internet Camera
<b>TV-IP422WN</b>	SecurView Wireless N Day/Night Pan/Tilt/Zoom Internet Camera

## CONTACT INFORMATION

**TRENDnet**

20675 Manhattan Place, Torrance, CA 90501 USA

Tel: 1-310-961-5500

Fax: 1-310-961-5511

Web: [www.trendnet.com](http://www.trendnet.com)

Email: [sales@trendnet.com](mailto:sales@trendnet.com)

**1-888-326-6061**

